

# STEM Speaker Series

## **SPEAKER:** Dr. Jeffrey A. Hoffman Aerospace Engineering and Space Exploration

**Dr. Jeffrey A. Hoffman** is Professor of Aerospace Engineering in the Department of Aeronautics and Astronautics at MIT. Dr. Hoffman received a B.A. (summa cum laude) from Amherst College in 1966 and a Ph.D. in astrophysics from Harvard University in 1971. He subsequently received a M.Sc. in Materials Science from Rice University in 1988. He spent one year as a post-doctoral fellow at the Smithsonian Astrophysical Observatory, after which he worked on the research staff of the Physics Department at Leicester University in the UK (1972-1975) and MIT's Center for Space Research (1975-1978). He was a NASA astronaut from 1978-1997, having made five space flights and becoming the first flight time aboard the Space Shuttle. Dr. Hoffman was the first flight of the US-Italian Tethered Satellite System. He played a key role in coordinating the scientific and this project. Dr. Hoffman has including the first unplanned, NASA's history (STS 51D; repair/rescue mission for the 61; December, 1993). He worked as Astronaut Office representative and carry out tests of advanced designs and of new tools and assembly of the International Space Station. For several years, he was the astronaut Payload Safety Panel. Following Hoffman spent four years as Representative, based at the US principal duties were to keep partners informed about each problems in US-European space of US-European space NASA in European media. In joined the MIT faculty, where he operations and design and space policy. Dr. Hoffman is director of the Massachusetts Space Grant Alliance, responsible for statewide space-related educational activities designed to increase public understanding of space and to attract students into aerospace careers. His principal areas of research are advanced EVA systems, space radiation protection, management of space science projects, and space systems architecture.



1997, having made five space astronaut to log 1000 hours of Shuttle. Dr. Hoffman was the first flight of the US-Italian played a key role in operational teams working on performed four spacewalks, contingency spacewalk in April, 1985) and the initial Hubble Space Telescope (STS for several years as the for EVA and helped develop high-pressure space suit procedures needed for the Space Station. For several office's representative on the his astronaut career, Dr. NASA's European Embassy in Paris, where his NASA and NASA's European other's activities, try to resolve projects, search for new areas cooperation, and represent August 2001, Dr. Hoffman teaches courses on space

**THURSDAY MAY 1<sup>ST</sup> FROM  
11:30AM - 12:45PM  
BUILDING 3- ROOM 121**

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Contact information Girma Endale at [ndlgrm@yahoo.com](mailto:ndlgrm@yahoo.com) / (617) 650-1042